



# Analysis Frameworks

CMPUT 620 — Static Program Analysis  
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CSC - B-43

# Analysis Frameworks

- Soot
- WALA
- Averroes
- Soufflé
- Flix

# Soot

- <https://github.com/Sable/soot>
- Extensive set of tutorials @ <https://github.com/Sable/soot/wiki/Tutorials>
- Lots of documentation in the wiki @ <https://github.com/Sable/soot/wiki>
- Hands-on: call graphs

# WALA

- [http://wala.sourceforge.net/wiki/index.php/Main\\_Page](http://wala.sourceforge.net/wiki/index.php/Main_Page)
- Not many tutorials, or documentation
- But it's highly tuned for performance!
- Hands-on: call graphs

# Averroes

- <https://github.com/karimhamdanali/averroes>
- Tutorial: <http://karimali.ca/averroes-tutorial>
- Hands-on: partial call graph analysis compared to Soot & WALA



Android



JavaScript

AV  RRO  S



Frameworks

# Flix

- <http://flix.github.io>
- <http://flix.github.io/doc/getting-started.html>
- Hands-on: constant propagation

# On Thursday

- Tricorder by Mona
- VASCO by Marcus
- Infer by Taylor